

Work Order ID 63177

Page 1

Friday, October 22, 2010 10:52:24 AM

Item ID: D412-742-013

Accept



Setup Start



Revision ID:

Item Name: Float Skidtube Installation

Stop



Start Date: 10/22/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 10/29/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan: VDate: 10/22 Tooling:

Date:

Run Start



QC:

Date: _____ SPC (Y/N): _____

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

IIN D412-742

D

100

0.00



DC

DOCUMENT CONTROL

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-013 CHG006

8/16/03/02

H for BG 10-11-02

110

0.00



Packaging

Pick Kit

Memo

0.00

Packaging

10/11/02

120

0.00



QC

QC4- 100% Inspect kits for completeness

Memo

Quality Control

8/16/03/02



363178

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No ' DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Item ID: D412-742-013

Accept

Setup Start

Revision ID:

Stop

Item Name: Float Skidtube Installation

Start Date: 10/22/2010 Start Qty: 1.00

Required Date: 10/29/2010 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-013
Location: 73

140

0.00



QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

11/3/2010

11/03/02

WF
11-03-02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Page 1

Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
 1072 DD verified by: JLM
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP RevF: add
 AN4C7A DD 10.01.13 verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4C7A

Purchased

No

110

Each

456.0000

4

4



Bolt

Location

Loc Qty

Loc Code

ST356

456

109147

456

D412-742-043

Manufactured

No

110

Each

1.0000

1

1



Replacement Float Skidtube

Location

Loc Qty

Loc Code

FG

1

61474

1

D2571

Manufactured

No

110

Each

24.0000

1

1



Saddle, Fwd Out 205

Location

Loc Qty

Loc Code

ST425

7

43564

3

47564

4

ST433

17

58250

4

61332

1

62111

12

10

10/11/25

B63/78 64/3/2

10/11/15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

D2572



Saddle, Fwd In 205

Manufactured No

110 Each

16.0000



10/11/10

Location

Loc Qty

Loc Code

ST425

3

43565

3

ST433

13

58100

1

62150

12

D2573



Saddle, Aft Out 205

Manufactured No

110 Each

8.0000



B 62150 10/11/10

Location

Loc Qty

Loc Code

ST425

8

43566

3

47566

4

58251

1

D2574



Saddle, Aft In 205

Manufactured No

110 Each

4.0000



B 62150 10/11/10

Location

Loc Qty

Loc Code

ST425

4

43567

3

58252

1

D2876



Saddle Spacer

Manufactured No

110 Each

48.0000



10/11/10

Location

Loc Qty

Loc Code

ST026

48

42364

2

60853

46

Friday, October 22, 2010 10:52:28 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

D2877
Saddle Spacer

Manufactured No

110 Each

57.0000

2 2

Location

Loc Qty

Loc Code

ST026

57

51541

2

60854

14

61211

41

D3403-1
Bushing

Manufactured No

110 Each

59.0000

16 16

Location

Loc Qty

Loc Code

ST052

30

61654

30

ST055

29

58856

16

59119

13

D2747
Set Screw

Manufactured No

110 Each

129.0000

4 4

Location

Loc Qty

Loc Code

ST023

129

39224

4

59879

25

62085

100

D3533-1
Set Screw

Manufactured No

110 Each

31.0000

2 2

Location

Loc Qty

Loc Code

ST069

31

51602

31

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

AN4C6A

Purchased

No

110

Each

319.0000

16

16



Bolt

10/11/25

Location

Loc Qty

Loc Code

FG

4

103344

4

ST

4

103344

0

111295

4

ST356

311

113121

111

115016

200

4

12

AN4C52A

Purchased

No

110

Each

120.0000

8

8



BOLT

10/11/25

Location

Loc Qty

Loc Code

ST361

120

112641

50

113121

20

114784

50

2

AN6C12A

Purchased

No

110

Each

48.0000

8

8



BOLT

10/11/25

Location

Loc Qty

Loc Code

ST342

48

114442

48

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

D3672-3

Manufactured No

110

Each

527.0000

32

32



Phenolic Washer



10/11/2010

Location

Loc Qty

Loc Code

ST077

527

47023

16

57704

511

AN960C416L

Purchased No

110

Each

132.0000

32

32



WASHER



11/12/2010 (24x) 10/11/2010

Location

Loc Qty

Loc Code

FG

44

104925

44

ST346

88

106785

10

107008

10

112828

27

69220

41

D3672-9

Manufactured No

110

Each

390.0000

8

8



Phenolic Washer



10/11/2010

Location

Loc Qty

Loc Code

ST077

390

35523

390

AN960C616L

Purchased No

110

Each

156.0000

8

8



WASHER



10/11/2010

Location

Loc Qty

Loc Code

ST347

156

113064

156

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

D3672-11

Manufactured No

110 Each

856.0000

16 16



Phenolic Washer

Location

Loc Qty

Loc Code

ST077

856

58046

856

16

-MS21043-4

Purchased No

110 Each

927.0000

29 29



Nut

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

887

112492

25

113069

8

114523

254

114784

300

115936

300

29

D3403-3

Manufactured No

110 Each

27.0000

8 8



Bushing

Location

Loc Qty

Loc Code

ST053

25

59598

25

ST055

2

56857

2

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

D3405-041

Manufactured No

110

Each

4.0000



Lug Assembly

Location

Loc Qty

Loc Code

ST474

4

60495

4

110

Each

2.0000

D3405-043

Manufactured No



Lug Assembly

Location

Loc Qty

Loc Code

ST474

2

53888

1

56514

1

110

Each

89.0000

AN4C47A

Purchased No



Bolt

Location

Loc Qty

Loc Code

ST361

89

115231

7

115518

40

115836

12

115936

30

110

Each

9.0000

D3407-041

Manufactured No



Tow Ring

Location

Loc Qty

Loc Code

ST464

9

61219

9

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

D3417-3



Washer

Manufactured No

110 Each

108.0000

2

2
10/11/2010

Location

Loc Qty

Loc Code

ST056

108

44349

27

51648

28

53182

53

2

D3456-1



Washer

Manufactured No

110 Each

5.0000

1

1
B63239 10/11/2010

Location

Loc Qty

Loc Code

ST058

5

54692

5

1
10/11/2010

AN3C37A



BOLT

Purchased No

110 Each

112.0000

1

Location

Loc Qty

Loc Code

ST353

84

110396

34

115908

50

ST354

28

114801

28

1

AN3C40A



BOLT

Purchased No

110 Each

112.0000

1

1
10/11/2010

Location

Loc Qty

Loc Code

ST354

112

106176

12

112454

50

114442

50

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

AN3C41A

Purchased

No

110

Each

110.0000

1



BOLT



10/11/2010

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

106

108084

7

108409

8

114443

59

115316

32

AN3C42A

Purchased

No

110

Each

104.0000

1



BOLT



10/11/2010

Location

Loc Qty

Loc Code

ST354

104

106169

4

106176

100

AN3C43A

Purchased

No

110

Each

109.0000

4



BOLT



10/11/2010

Location

Loc Qty

Loc Code

ST354

109

114330

9

114433

50

114455

50

Friday, October 22, 2010 10:52:28 AM

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 63177

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 10/22/2010

Required Date: 10/29/2010

Start Qty: 1.00

Required Qty: 1.00

AN3C46A

Purchased

No

110

Each

71.0000

5

5



BOLT



10/11/10 sf

Location

Loc Qty

Loc Code

ST355

71

113302

36

115030

15

115518

20

AN960C10L

NAS1149C0332
R

Purchased

No

110

Each

29.0000

26

26



washer



MISSING 10/11/10 sf

Location

Loc Qty

Loc Code

ST245

29

107534

29

MS21043-3

Purchased

No

110

Each

2,497.000

13

13



Nut



10/11/12 sf

Location

Loc Qty

Loc Code

FG

76

103691

76

ST301

2421

112314

2421

13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*12	*AN3C6A	*BOLT
4		*8	*AN3C7A	*BOLT
5		*44	*AN960C10L	*WASHER
21A		*1	*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1	*D3566-1	*GASKET
22A		*1	*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1	*D3566-1	*GASKET
23A		*1	*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1	*D3566-5	*GASKET
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24A		**1	**D3564-13	**WEARSHOE
24B		**1	**D3566-13	**GASKET
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25A		**1	*D3537-1	**WEARPAD
25B		**1	*D3553-1	**GASKET
26A		**1	*D3537-7	**WEARPAD
26B		**1	*D3553-3	**GASKET
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**12	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 19)

(CONTINUED FROM PAGE 18)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46	16		D3403-1	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49	8		AN4C52A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	16		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		ANC47A	BOLT
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C46A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

REFERENCE ONLY

INSTRUCTIONS:

- 1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT

IS:

63	4			AN4C47A	BOLT
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WAS:

63	4			AN4C46A	BOLT
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5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

IS:

63	4		AN4C47A	BOLT
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WAS:

63	4		AN4C46A	BOLT
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A	NEW ISSUE	AJS	08.12.19
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9441	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT CHANGE	NTS
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